



January 27, 2017

Ms. Karen Kirchner  
Remedial Project Manager  
U.S. Environmental Protection Agency (EPA)  
77 West Jackson (SR-6J)  
Chicago, Illinois 60604

Subject: Monitoring Well Summary Report for  
Lusher Street Groundwater Contamination Site, Elkhart, Indiana  
Contract EP-S5-06-02, Work Assignment No. 136-RICO-05AB

Dear Ms. Kirchner:

SulTRAC conducted a survey of the monitoring well network at the Lusher Street Groundwater Contamination Site on January 12, 2017. This survey was performed after two of the four monitoring wells to be sampled as part of the Spot Plume Investigation were found to be damaged and their integrity was questioned. Therefore, the two damaged monitoring wells were not sampled.

The well survey included locating the monitoring wells and assessing if any damage to the well cover had occurred. If so, the damage was documented with a photograph. Not all monitoring wells were found. The two monitoring wells at location MW-017 were not observed, possibly paved over since there was evidence of a new asphalt pavement. Specific well findings can be found in the attached Monitoring Well Inventory Table. Without opening the well caps wells could not be identified in the field as to if they were shallow, intermediate, or deep; however, SulTRAC has the locations can identify each monitoring well. Well caps were not opened because of the bolts rusted condition which caused their heads to break off when trying to open them at the first two wells (MW-003WT and MW-021).

All well caps should have the bolts replaced. Once the old bolts have been removed, the monitoring well should be assessed for any accumulation of silt or other fines at the bottom of the well. Specific corrective recommendations are presented in the Monitoring Well Inventory Table.


A photo record of the damaged wells is attached. In addition, a figure showing the locations of the wells and their condition is attached.

SulTRAC has recommended corrective actions for the damaged monitoring wells which can be found in the last column, "Corrective Recommendations", of the Monitoring Well Inventory Table. Upon your approval, SulTRAC can begin to make arrangements to make the necessary repairs. At this time, we believe that there is sufficient funding within the existing work assignment to complete the necessary repairs. SulTRAC appreciates the opportunity to serve EPA on this project and welcomes any comments or suggestions you may have. Please feel free to contact me at (312) 658-1141 ext.12 or Tracey Koach at (262) 214-1116 should you have any questions regarding this material.

Sincerely,



William Earle, P.E.  
SulTRAC Project Manager



Tracey Koach, P.G.  
Project Geologist

Attachments: Monitoring Well Inventory Table  
Example Photographs from Monitoring Well Inventory

cc: Mr. Michael Dunneback, EPA CO (letter only)  
Mr. Dean Geers, SulTRAC (letter only)  
Ms. Mindy Gould, SulTRAC Program Manager (letter only)  
File

Monitoring Well Inventory Table  
Lusher Street Groundwater Contamination Site  
January 2017

Well IDs	Location	No. of Wells <sup>1</sup>	Visual Well Condition/Notes	Corrective Recommendations
MW-001	Hively Avenue and 17th Street	1	Well cap and J-plug were missing. Water was observed at the surface.	Pump out monitoring well. If well integrity is good, provide new J-plug and well cover.
MW-003	Fieldhouse Avenue between Nappanee and 20th Streets	4	Well caps require new bolts on at least one cap, otherwise good.	Replace well cap bolts. <sup>2</sup>
MW-005	On private property	1	NA	
MW-006	On private property	3	NA	
MW-008	Waurika Street between Illinois and Franklin Streets	2	One well is good and the other is missing the well cap and J-plug with dirt packed into the well.	Replace well cap bolts in good well. <sup>2</sup> Clean out other well, assess well screen integrity. If good, provide new J-plug and well cover. If compromised, abandon well.
MW-009	Franklin Street	2	One well is missing the well cap and J-plug. The second well is paved over with asphalt.	Clean out well, assess well screen integrity. If good, provide new J-plug and well cover, If compromised, abandon well. The same came be done on the well that was paved over, but will require removing the asphalt first.
MW-010	In ROW on Lafayette Street between Thomas Street and Oakland Avenue	2	Both wells are good.	Replace well cap bolts. <sup>2</sup>
MW-011	In ROW on Jones Street between Indiana and Pennsylvania Avenues	2	Both wells are good.	Replace well cap bolts. <sup>2</sup>
MW-012	In ROW on Indiana Avenue between Waurika and Okema Streets	2	Both wells are good.	Replace well cap bolts. <sup>2</sup>
MW-013	In alley off of Navajo Street	3	All wells are good.	Replace well cap bolts. <sup>2</sup>
MW-014	In ROW on Edgewater Blvd	3	All wells are good.	Replace well cap bolts. <sup>2</sup>
MW-016	Edgewater Blvd and Waurika Street	2	All wells are good.	Replace well cap bolts. <sup>2</sup>
MW-017	Okema Street	2	NF - May be asphalted over.	Locate by GPS. If covered by asphalt, remove asphalt and assess well integrity.
MW-021	In Heinie's Restaurant parking lot near Fielshouse Avenue	1	Well cap requires new bolts.	Replace well cap bolts. <sup>2</sup>
MW-111	Hively Avenue and Nappanee Street	1	Well cap is missing, J-plug is good. No obstruction noted during well inventory.	Replace well cap/cover.

**Notes:**

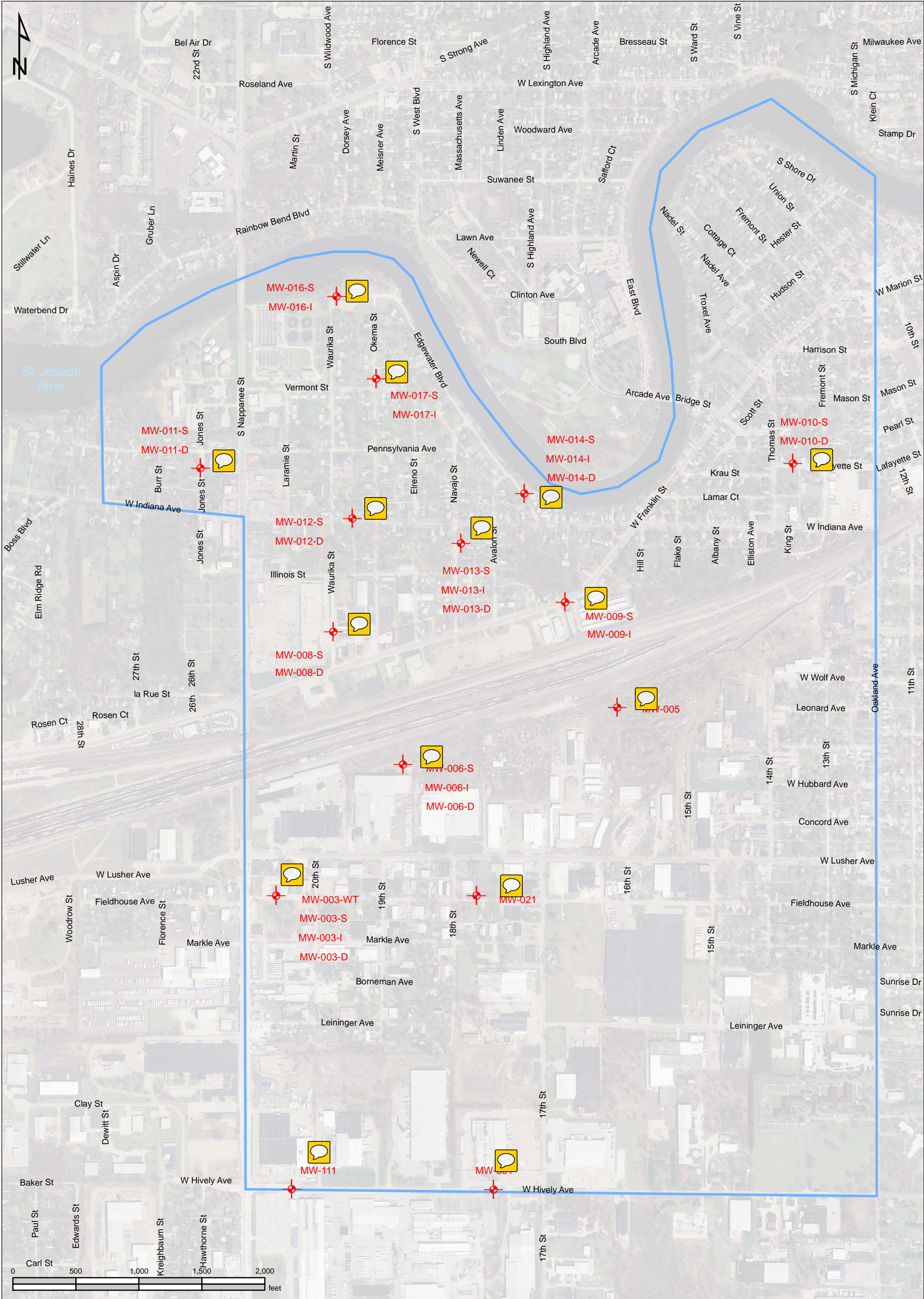
<sup>1</sup> Each location may have one to four wells nested. Without opening the well caps there was no way to identify in the field which well was shallow, intermediate, or deep; however SulTRAC has the locations of each monitoring well.

<sup>2</sup> Bolts may be damaged in cover and will require drilling out before they are replaced. If drilling out bolts is unsuccessful, well box will have to be replaced.

NA - No access

NF - Not Found





-  Monitoring well
-  Site boundary



LUSHER STREET GROUNDWATER CONTAMINATION SITE  
ELKHART COUNTY, INDIANA

**MONITORING WELLS  
OCTOBER 2011**

EPA REGION 5 RAC 2 | REVISION 0 | OCTOBER 2011

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# Example Photographs

From

Monitoring Well Inventory

Lusher Street Groundwater Contamination Site

Elkhart, Indiana

Photos taken: January 12, 2017

By: Carlos Menor-Salazar, SulTRAC



Photograph #1 – MW-001 on Hively Blvd.



Photograph #2 – MW-008 on Waurika Street. Unknown as to whether it the shallow or deep well.





Photograph #3 – MW-009 on Franklin Street; unknown as to whether it is the shallow or intermediate well.



Photograph #4 – Paved over monitoring well at location MW-009 on Franklin Street.





Photograph #5 – MW-111 on Hively Blvd.